

# OPTICAL PROJECTION MODULE

## Abstract

An optical projection module includes a front optical module, a rear optical module and an adjustment member mounted between the front and rear optical modules. The front optical module includes a lighting module, an integrated rod and a color wheel. One end of the adjustment member is pivotally mounted to the front optical module, and the other end of the adjustment member is screwed on the rear optical module to form the optical projection module. By linear movement of the rear optical module actuated by rotation of the adjustment member along an optical axis, a relative position of the rear optical module and the front optical module is adjusted so that lights coming from the color wheel are clearly projected on a light valve with simplified digital signal processing, reduced loss of luminance and increased luminance efficiency.